



ARCHITECTURE & CONSTRUCTION
Sample North Dakota Career Cluster Plan of Study
www.nd.gov/cte • www.careerclusters.org

Name _____
 School _____
 Date _____



SAMPLE OCCUPATIONS RELATING TO THIS CAREER CLUSTER	
Pathway	Occupations
DESIGN-PRE-CONSTRUCTION	Carpenter • Drywall Installer • Painter • Equipment Operator • Electrician • Plumber • Heating/Ventilation/Air Conditioning • Roofer
CONSTRUCTION	Estimator • Architectural Draftsman • Architect • Engineer • Safety Professional • Landscape Architect • Civil Engineer
MAINTENANCE/OPERATIONS	Building Maintenance Technician • Painter • Interior Designer

SUGGESTED COURSE OF HIGH SCHOOL STUDY						
It is suggested that students consider appropriate dual credit, articulation, or advanced placement opportunities for postsecondary credit.						
English (four units required to graduate)	Math (two units required to graduate)	Science (two units required to graduate)	Social Studies (three units required to graduate)	Physical Education (one unit required to graduate)	North Dakota Career & Technical Education and Other Electives (one unit of foreign or Native American language, fine arts, or career and technical education required to graduate)	Additional Suggested Learning Opportunities
<input type="checkbox"/> English I <input type="checkbox"/> English II <input type="checkbox"/> English III <input type="checkbox"/> English IV <input type="checkbox"/> Speech	<input type="checkbox"/> General Math <input type="checkbox"/> Algebra I <input type="checkbox"/> Geometry <input type="checkbox"/> Trigonometry <input type="checkbox"/> Statistics	<input type="checkbox"/> Physical Science <input type="checkbox"/> Biology	<input type="checkbox"/> World History <input type="checkbox"/> U.S. History <input type="checkbox"/> Government <input type="checkbox"/> Sociology <input type="checkbox"/> Economics	<input type="checkbox"/> Physical Education <input type="checkbox"/> Health	<input type="checkbox"/> Introduction to Construction <input type="checkbox"/> Introduction to Drafting <input type="checkbox"/> Technological Systems <input type="checkbox"/> Foundations of Technology <input type="checkbox"/> Engineering Technology <input type="checkbox"/> Computer Applications <input type="checkbox"/> Independent Living <input type="checkbox"/> Business Communications <input type="checkbox"/> Independent Living <input type="checkbox"/> Foreign Language	School-Based: <input type="checkbox"/> SkillsUSA <input type="checkbox"/> TSA <input type="checkbox"/> Career Research <input type="checkbox"/> Cooperative Education <input type="checkbox"/> Internship <input type="checkbox"/> Job Shadowing <input type="checkbox"/> Service Learning Project Community-Based: <input type="checkbox"/> Mentorship <input type="checkbox"/> Volunteer <input type="checkbox"/> Part-time Employment

SAMPLE NORTH DAKOTA POSTSECONDARY PROGRAMS RELATED TO THIS CAREER CLUSTER			
Pathway	Associate Degree or Less	Bachelors Degree	Masters Degree or More
DESIGN-PRE-CONSTRUCTION	<input type="checkbox"/> Building Construction Technology <input type="checkbox"/> Electrical Technology <input type="checkbox"/> Plumbing <input type="checkbox"/> Heating Ventilation & Air Conditioning <input type="checkbox"/> Architectural Drafting & Estimating <input type="checkbox"/> Mechanical Systems	<input type="checkbox"/> Construction Management <input type="checkbox"/> Safety Director <input type="checkbox"/> Engineer <input type="checkbox"/> Architect	<input type="checkbox"/> Structural Engineer
CONSTRUCTION	<input type="checkbox"/> Architectural Estimating & Drafting <input type="checkbox"/> Engineering & Surveying Technology	<input type="checkbox"/> Engineering <input type="checkbox"/> Architectural <input type="checkbox"/> Safety Professional <input type="checkbox"/> Landscape Architecture <input type="checkbox"/> Civil Engineering	<input type="checkbox"/> Civil Engineering
MAINTENANCE/OPERATIONS	<input type="checkbox"/> Building Maintenance Technician	<input type="checkbox"/> Interior Design	